

NAS NORTH ISLAND - NAVY REGION SOUTHWEST NAVY ENVIRONMENTAL LEADERSHIP PROGRAM

INFORMATION TECHNOLOGY

ALFA/APMM INFORMATION SYSTEM

LEAD ACTIVITY

Naval Air Station (NAS) North Island

STATUS

Active

MISSION

Procure and implement system for facilities and environmental management

REQUIREMENT

A more user-friendly facility information system was required at NAS North Island to satisfy facility-wide environmental data and resource management needs.

DESCRIPTION

NAS North Island began demonstrating the use of one of the facility information system (FIS) software tools developed by Naval Facilities Engineering Command (NAVFAC) under the CAD-2 contract in October 1997. The software provides access to activity-related data to support facility planning and management decisions and to integrate various maps and databases for all activities within the Coronado Complex (NAS North Island, Naval Amphibious Base [NAB] Coronado, Naval Auxiliary Landing Field [NALF] San Clemente Island, Naval Outlying Landing Field [NOLF] Imperial Beach, and Survival, Evasion, Resistance, and Escape [SERE] Camp Warner Springs). These tools are known as the Activity Planning and Management Model (APMM) and Activity Lands and Facility Assets (ALFA). The main benefit of the APMM and ALFA is the ability to distribute the information over a computer network to a variety of users.

NAS North Island is specifically evaluating the new environmental capabilities of ALFA Version 2.0, which allows the user to analyze data related to environmental management and the physical attributes of a site by linking specific information organized in standard database format to corresponding graphic elements in a computer aided design (CAD) drawing. In February 1998, the final ALFA Version 2.0 upgrade at NAS North Island was installed on 20 workstations, and training was provided to employees of the Staff Civil Engineer Department. Primary use of the ALFA program is for maps and sketches related to site approval for new projects. In April 1998 a draft installation of the APMM program and the electronic Master Plans was completed for NAS North Island and NAB Coronado. In March 1999, the ALFA/APMM facility information systems will be evaluated for potential use in the Navy Region Southwest Environmental Department.

BENEFITS

- Information can be distributed over a computer network to a variety of users
- Cost to implement is lower than other systems
- Specific information organized in standard database format is linked to corresponding graphic elements in a CAD drawing.

ACCOMPLISHMENTS

Date	Activity
OCT 1997	ALFA Version 2.0 system installed for the Coronado Complex
FEB 1998	Final ALFA Version 2.0 upgrade completed on 20 workstations at NAS North Island
APR 1998	Draft installation of APMM and Master Plan for NAS North Island, NAB Coronado, NALF San Clemente Island, and NOLF Imperial Beach
MAR 1999	Evaluate ALFA/APMM facility information systems

FUTURE PLAN OF ACTION & MILESTONES

Date	Activity
Ongoing	Continue evaluating ALFA/APMM system

COLLABORATION/TECHNOLOGY TRANSFER

This project was a collaborative effort between NAVFAC and NAS North Island. NAVFAC developed the software tools ALFA/APMM for demonstration at NAS North Island. The ALFA/APMM system may be implemented for facility-wide environmental data and resource management at other installations.

BIBLIOGRAPHY

None available

RELATED GOVERNMENT INTERNET SITES

[Installation Management Facilities CAD-2](#)
[Tri-Service CADD/GIS Technology Center](#)

RELATED NAVY GUIDEBOOK REQUIREMENTS

- 00999 General Program Support

Updated: 03/01/02